

REMARKS

In the Office Action dated July 5, 2005, claims 1-25 were rejected under 35 U.S.C. 112, second paragraph, as being indefinite. Applicant amends the broad claims (claims 1, 13, 14 and 19) to more particularly identify the three components (resin, curing agent and particulate) of the mixture. The resin component is now set forth as a Markush group composed of epoxy, cyanate ester and bismaleimide thermosetting resins. Support for this limitation is found in Paragraph 24 – 25 of the specification. The curing agent component is more particularly identified as a curing agent for the thermosetting resin. Exemplary curing agents that are used in curing thermosetting resins are set forth in Paragraph 26 of the specification. The rigid-rod polymer particles are now identified by particle size range. Support for these limitations are set forth in Paragraphs 28 - 30 of the specification. In addition the amount of particles in the mixture is now set forth as a range of 5 – 35 weight percent of the mixture. Support for this range is set forth in Paragraph 31 of the specification.

In addition, the curing temperature range for the thermosetting resin/curing agent combination is now set forth as being between 120°C and 220°C. Further, a range for the “dissolution temperature”, which is dependent on the curing temperature, is also included to provide additional guidance for practicing the heating and cooling steps.

The above-described amendments to the claims provide more than enough information for one of ordinary skill in the art to practice the invention. The ingredients of the mixture are now more clearly identified and the curing/dissolution temperature ranges are included to provide guidance to one of ordinary skill in practicing the heating and cooling steps. Accordingly, applicant respectfully requests that the rejection under 35 U.S.C. 112 be reconsidered in view of the above-discussed amendments and withdrawn.

Claims 4, 10, 16 and 21 were also rejected as being vague due to the use of trademarks. Applicant amends these claims to remove the trademarks. Instead, these

claims now require that benzoyl groups are attached to the 1,4 phenylene backbone of the rigid-rod polymer. Support for this limitation is set forth in Paragraph 29 of the specification.

In view of the above amendments and remarks, applicant respectfully requests that this application be reexamined and that the claims, as now amended, be allowed.

Respectfully submitted,

Dated: November 02, 2005

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